DOLOMANOVA, Yelizaveta Ivanovna; SHIPULIN, F.K., otv. red.; IVANOV, B.V., red. izd-va; SHEVCHENKO, G.N., tekhn.rei.

[Ingoda tin-wolframium deposists and their genetic characteristics]
Olovianno-vol'framovye mestoorshdeniia Ingodinskogo rudnogo uzla i
ikh geneticheskie osobennosti. Hoskva, Izd-vo Akad.nauk SSER, 1959.
297 p. (Akademiia nauk SSSR. Institut geologii rudnykh mestorozhdenii,
petrografii, mineralogii i geokhimii. Trudy, ro.23) (MIRA 13:2)
(Ingoda Valley-Tin ores)
(Ingoda Valley-Tungsten ores)

3(1) PHASE I BOOK EXPLOITATION SOV/2464

- Akademiya nauk SSSR. Komitet po meteoritam
- Sikhote-Alinskiy zheleznyy meteoritnyy dozhd', tom 1 (Sikhote-Alin' Iron Meteorite Shower, Vol 1) Moscow, Izd-vo AN SSSR, 1959. 363 p. 1,200 copies printed.
- Resp. Ed.: V. G. Fesenkov; Deputy Resp. Ed.: Ye. L. Krinov; Ed. of Publishing House: I. Ye. Rakhlin; Tech. Ed.: G. N. Shevchenko.
- PURPOSE: This book is intended for earth scientists and astronomers interested in meteorite phenomena.
- COVERAGE: The collection of articles is the first of three volumes devoted to a study of the Sikhote-Alin' iron meteorite shower which fell on February 12, 1947. Individual articles discuss the location of the fall, the types of craters formed by the impact, and the mineral composition of the meteorite fragments. Information presented in this series, including eyewitness reports, was obtained by members of the AN SSSR Card 1/3

マート・ファイ エスト・ボール (本) 大学 大学 日本 (本) 「大学 (大学) 「大学 (大学)」 「大学)

Sikhote-Alin' Iron Meteorite Shower, Vol 1 SOV/246	4	
Committee on Meteorites during its four expeditions made between 1947-50. Photographs accompany the text. No personalities are mentioned. No references are given.	•	
TABLE OF CONTENTS:		
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Fesenkov, V. G., and Ye. L. Krinov. The Fall and Study of the Sikhote-Alinskiy Iron Meteorite Shower	5	
Shipulin, F. K., and L. N. Khetchikov. Geographic and Geologic Characteristics of the Location of the Meteorite Shower Fall	19	
Divari, N. B. Phenomena Accompanying the Fall of a Meteorite Shower, and Its Trajectory in the Atmosphere	26	
Krinov, Ye. L. Circumstances Surrounding the Fall of the Meteorite Shower		
Card 2/3	99	2
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VASIL'YEV, Viktor Grigor'yevich; VOLKHONIN, Vladimir Stepanovich;
GRISHIN, Grigoriy Leont'yevich; IVANOV, Andrey Khrisanfovich;
MARINOV, Nikolay Aleksandrovich; MOKSHAHTSEV, Konstantin Borisovich; SHIPULIN, F.K., doktor geologo-minrelog.nauk, red.;
BEXMAN, Yu.K., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Geological structure of the Mongolian People's Republic; stratigraphic and tectonic] Geologicheskoe stroenie Mongol'skoi Marodnoi Respubliki; stratigrafiia i tektonika. Pod red. F.K. Shipulina. Leningrad. Gos.nauchno-tekhn.isd-vo neft. i gorno-toplivnoi lit-ry, 1959. 493 p. (MIRA 12:3) (Mongolia-Geology)

BILIBIN, Yuriy Aleksandrovich; BETEKHTIN, A.G., akademik, glavnyy red.;
SHIPULIN, F.K., atv.red.; ASTROV, A.V., red.isd-va; SHCHERBAKOV,
A.V., tekhn.red.

[Selected works] Isbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR.
Vol.2. 1959. 496 p. (MIRA 12:5)

(Siberia--Ore deposits) (Siberia--Petrology)

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A001/A001

p. 88, # 10357

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 10,

AUTHORS:

Shipulin, F. K., Khetchikov, L. N.

TITLE:

Geographic-Geological Characteristic of the Location of a Meteorite

Shower

PERIODICAL: V sb.: Sikhote-Alinsk. zhelezn. meteoritn. dozhd'. Vol i, Moscow,

AN SSSR, 1959, pp. 19-25

The site of Sikhote-Alin' meteorite shower fall is located within the boundaries of the western spurs of the Sikhote-Alin range, in 75 km to north-east of the town of Iman. In the geological structure of the region take part, in addition to recent loose deposits, only effusive rocks and volcanic tuffs. Effusives are represented by quartz-free porphyries and albitophyres. Similar rocks in other regions reveal a compressive strength of up to 1,600 - 2,000 kg/cm². Tuffs are spread on approximately 80% of the region area. In their mechanical properties tuffs differ only slightly from the effusives of the region.

Card 1/2

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Geographic-Geological Characteristic of the Location of a Meteorite Shower

Compressive strength amounts probably to not less than 800-1,000 kg/cm². The overburden of recent loose deposits is developed everywhere and attains considerable thickness. Loose deposits are represented by diluvium, eluvium and alluvium. The thickness of eluvial-diluvial cover amounts to 1.5 - 2 m. It is overlaid by a soil layer of up to 0.5 m thickness. At the time of meteorite shower the upper part of the loose deposit cover was frozen down to a depth of 1 m.₂ Such grounds show compressive resistance of up to several dozens of kg per 1 cm².

O. A. Kirova

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

SHIPULIN, P.K.

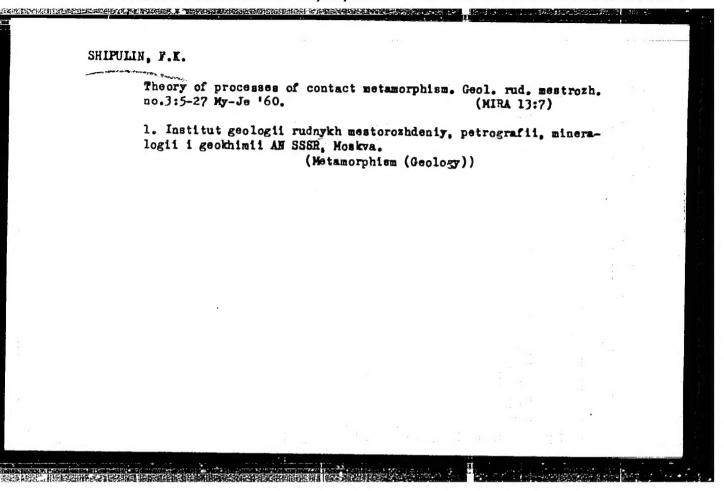
Hydrothermal deposit of native sulfur in the Mongolian People's Republic. Sov. geol. 2 no.8:155-157 Ag '59. (MIRA 13:2)

1.Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii (IGEM AN SSSR).

(Mongolia--Sulfur)

Problems in geology. Geol. rud. mestorozh. no.2:94-110 Mr-Ap '60.
(MIRA 13:8)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva. (Geology, Economic)



BETEKHTIN, A.G.; LEVITSKIY, O.D.; PUSHCHAROVSKIY, Yu.M.; SOROLOV, G.A.;
SHATALOV, Te.T.; SHIPULIN, F.X.

Nikolai Sergeevich Shatskii; obituary. Geol. rud. mestorosh.
no.5;3-5 S-0 '60.

(Shatskii, Hikolai Sergeevich, 1895-1960)

(Geology)

SHIPULIN, F.K.

Time of the formation of metal-bearing solutions in the eruption of certain volcances. Geol. rud. mestorosh. no.5:25-33 S-0 160.

(MIRA 13:10)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva. (Volcanic ash, tuff, etc.)

SHIPULIN, F.K. Academician Strashimir Dimitrov; 1892-1960. Geol. rud. mestorosh. (MIRA.14:3) (Dimitrov, Strashimir, 1892-1960.)

BILIBIN, Yuriy Aleksandrovich [deceased]; BETEKHTIN, A.G., akad., glav. red.; SHIPULIN, F.K., otv. red.; CHEPIKOVA, I.M., red. izd-va; VOLKOVA, V.Ye., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol.3. 1961. 518 p. (MIRA 14:11)

BETEKHTIN, A.G.; VOL'FSON, F.I.; GENKIN, A.D.; DUBROVSKIY, V.N.; YEROFEYEV, B.N.; KONSTAHTINOV, R.M.; MATERIKOV, M.P.; SOKOLOV, G.A.; STRAKHOV, N.M.; TATARINOV, P.M.; TOMSON, I.N.; SHADLUN, T.N.; SHATALOV, Ye.T.; SHIPULIN, F.K.

Oleg Dmitrievich Levitskii; obituary. Geol. rud. mestorozh. no.2: 3-6 Mr-Ap '61. (MIRA 12:5) (Levitskii, Oleg Dmitrievich, 1909-1961)

red, 100-va, GTCCCVA, C.E., tekin, red., aNTAFTYEVA, G.A., tekin, ced.

[Intrusive tooks of the Leningorsk realog of the musey Altai]
Intrusive poredy Leningorskogo raiona na mudnom Altae. Moskva,
ite-vo Akadamuk SSSR, 1902, 183 p. (Akademia rauk SSSR.
Institut geologii rudnykh mestorozhdenii petrografii mineralogii
geokhimit. Trudy, nc.77.). (NIRa 15:6)

(Leningorsk ragion (Rudny, Altai)--Rocks, Igneous)

SHIPULIN, F.K.

Methods of mapping intrusives. Izv.vys.ucheb.zav.; geol. i razv. 5 no.5:34-47 My '62. (MIRA 15:6)

l. Institut geologii rudnykh mestorozhdeniy, petrcgrafii, mineralogii i geokhimii AN SSSR. (Rocks, Igneous-Maps)

SHIPULIN, F.K.

Some genetic problems of the hydrothermal sulfide mineralization associated with independent small intrusions. Geol. rud. mestorozh. 5 no.2:3-27 Mr-Ap '63. (MIRA 16:6)

l. Institut geologii rudnykh mestorozhdeniy, mineralogii, petrografii i geokhimii AN SSSR, Moskva.
(Sulfides)

ZVY AGHITSEV, Leonid Ivanovich; SHIPULIN, F.K., doktor geolminer. nauk, otv. red.

[Faleozoic volcanism in the southeaster part of the Rudnyy Altai] Faleozoiskii vulkanizm iugo-vostochnoi chasti Rudnogo Altaia. Moskva, Kauka, 1965. 155 p. (MIKA 18:3)

SHATALOV, Ye.T.; KOPTEV-DVORNIKOV, V.S.; RUB, M.G.; RODIONOV, D.A.; SHIPULIN, F.K.; FAVORSKAYA, M.A

[Criteria of the relationship between mineralization and igneous activity as applied to the study of ore regions; basic principles of metallogenetic studies and the plotting of metallogenetic and forecasting maps of ore deposits] Kriterii sviazi orudeneniia s magmatizmom primenitel'no k izucheniiu rudnykh raionov; osnovnye printsipy metallogenicheskikh issledovanii i sostavleniia metallogenicheskikh i prognoznykh kart rudnykh raionov. Moskva, Nedra, 1965.

292 p. (MIRA 18:4)

VINCGRADOV, A.F.; KORZHINSZIY, D.S.; SMIRNOV, V.I.; SHCHERBAKOV, D.I.;
AYDIN'YAN, N.KB.; VINOGRADOV, V.I.; VOL'FSON, F.I.; GENKIN, A.D.;
DANCHEV, V.I., LUKIN, L.I.; OZEROVA, N.A.; PEREL'MAN, A.I.; REKHARSKIY,
V.I.; SMORCHKOV, I.Ye.; FEODOT'YEV, K.M.; SHADLUN, T.N.; SHIPULIN, P.K.

Aleksandr Aleksandrovich Saukov, 1902-1964; obituary. Geol. rud. mestorozh. 7 no.1:124-125 Ja-F *65. (MIRA 18:4)

SHIPULIN, G. F.

"History of Intrusive Rocks of the Zyryanovsk Ore Region"
report delivered in the Petrographic Section, 4 April to 7 June 1957.

Chronicle of the Activity of the Petrography Section, Byulleten' Mcskowskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, 1957, No. 6, pp. 118-122, 1957.

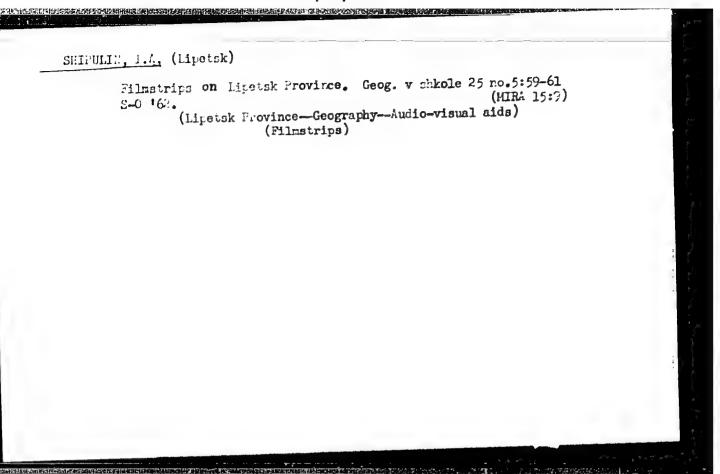
SHIPULIN, I.A. (Lipetsk)

Stimulating students in geography classes; from the practice of Lipetsk Province teachers. Geog. v shkole 25 no.4:38-44

J1-Ag '62.

(Geography--Study and teaching)

(MIRA 15:8)



Schipulin, I. F. -- "Investigation of the Operating Process of an Oblique Jet Turbine."
Cand Tech Sci, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov, 13 Jan 54.
(Vechernyava Moskva, 4 Jan 54)
SO: SUM 168, 22 July 1954

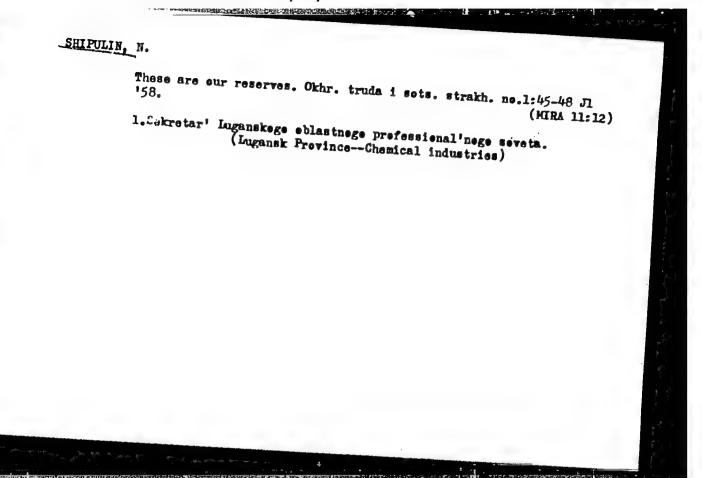
SHIFULIN, I. I.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

。 10.11年19.25年3月1日 - 11.25年11日 - 11.25年11日 - 12.25年11日 - 12.25年12.25年12.25年12.25年12.25年12.25年12.25年12.25年12.25年1

Transition Processes in the Drive of the System Generator-Motor with Excitation from an Electric Amplifier." 27 June 1949. Equations are derived of the transition processes in an electric drive and an evaluation is made of the assumptions made therein. On the basis of the resulting equations and experimental data, an analysis is made of the function of feedbacks and their interrelationships in transition processes, as a result of which a possible method of determining optimum parameters of the system can be founded.

So: M-1048, 28 Mar 56



SHIPULIN, N.

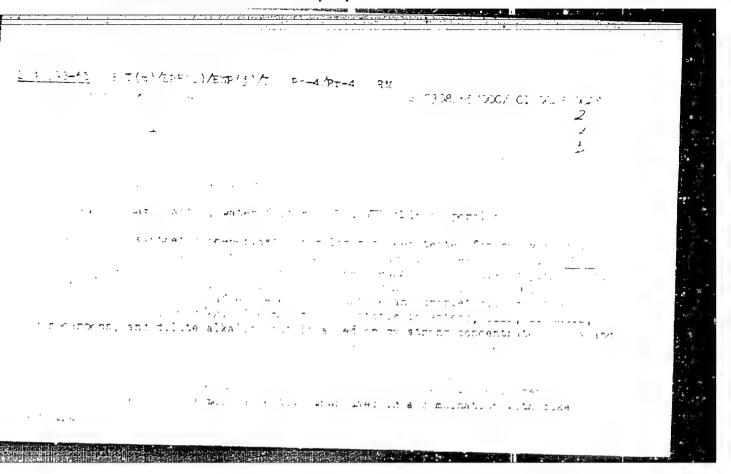
Relay race of triumphs. Okhr.truda i sots.strakh. no.3:63-64
Mr '59. (NIRA 12:4)

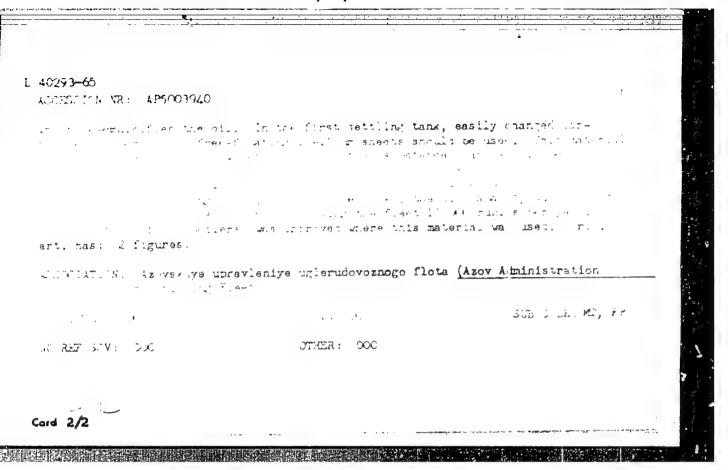
1. Sekretar' Luganskogo oblsovprofa.
(Lugansk Province-Coal mines and mining) (Safety measures)

SHIPULIN, N.

A new structure of trade-union organizations in the mining industry. Sov.profectury 7 no.10:31-34 My '59. (MIRA 12:9)

1. Selvetar' Luganskogo obleovprofa. (Lugansk-Goal mines and mining-Labor productivity)





SHIPULIN, N.

Use of perolon on steamers for feedwater purification from oil.

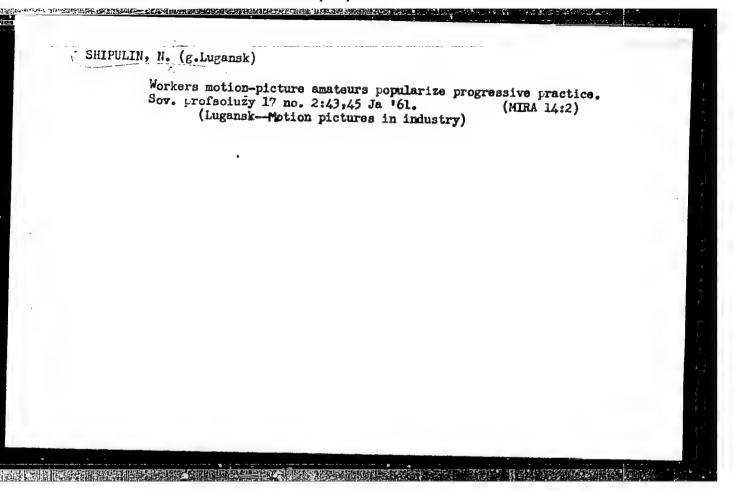
Mor.flot 25 no.1:28 Ja *65. (MIRA 18:2)

l. Nachalinik teplotekhnicheskoy laboratorii Azovskogo upravleniya uglerudovoznogo flota.

SHIPULIN, N.G.

This can also be done in the Donets Basin. Zdorov'e 6 no. 11:28 (MIRA 13:10)

1. Sekretar Luganskogo oblastnogo soveta profsoyuzov.
(LUGANSK PROVINCE—INDUSTRIAL HYGIENE)



D'YACHENKO, Vladimir Dmitriyevich, inzh.; SHIPULIN, P.P., kand.tekhn. nauk, red.; GVIRTS, V.L., tekhn.red.

[Automotic control of electric lightning conditions; from experience obtained at the Izhora plant] Avtomaticheskoe upravlenie rezhimom elektricheskogo osveshcheniia; iz opyta Izhorakogo zavoda. Leningrad, 1959. 14 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia; Energetika, vyp.1).

(Power plants-Lighting) (Automatic control)

OLEYNIKOV, Viktor Alekseyevich, kand. tekhn. nauk; BEINKH, Ivan Kalistratovich, inzh.; BARANOVSKIY, Boris Grigor'yevich, inzh.; SIDOROV, Anatoliy Ivanovich, inzh.; SHIPULIN, P.P., kand. tekhn. nauk, red.; YEGOR'KOV, N.F., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Servo system for electric spark machining] Slediashchaia sistema dlia elektroerozionnogo stanka. Leningrad, 1960. 21 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Elektricheskie metody obrabotki materialov, no.4)

(MIRA 14:10)

(Electric metal cutting) (Automatic control)

ACC NR. AP6022721

(A)

SOURCE CODE: UR/0154/65/000/006/0065/0070

AUTHOR: Shipulin, V. D. (Aspirant)

ORG: Khar'kov Institute of Engineers of Community Building (Khar'kovskiy institut inzhenerov kommunal'nogo stroitel'stva)

TITLE: The accuracy of locating in space a geodesic point defined by the lengths of its sides

SOURCE: IVUZ. Geodeziya i aerofotos"yemka, no. 5, 1965, 65-70

TOPIC TAGS: geodesy, astronomic geodesics, tensor analysis

ABSTRACT: In tensor notation, the error of locating a point in a three-dimensional space is a tensor of the second rank. The components of this tensor are expressed in the form of determinants. The error in locating a point depends on the angle between these two measured courses and on the cosines of the courses. In other words, the error depends on the form of the trihedron formed by the gradients of the measured functions, and on the orientation of this trihedron relative to the chosen system of coordinates. It is shown that the best form of this trihedron is one for which the gradients of the measured functions are mutually perpendicular. Then, the error remains undetermined only at angles of 0 and 120°. An error in any direction including errors along the coordinate axes is a redius vector of the polar surface of a certain ellip-

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Cord 2/2				

SHIPULIN, V.N.

Isolation of the solid hydrocarbon phase in wells in paraffinic petroleum production. Izv. vys. ucheb. zav.; neft' i gaz 6 no.7:33-36 163. (MIRA 17:8)

1. Greznenskiy neftyancy institut.

sumur, v. e.

Shipulin, V. P. "Clocc'-in appaus bandage - a ch ice nothed of immobilization during the direct currical treatment of fractures caused by firearms in war and army regions," Trudy Medinatituta (Jahev. soc. med. in-t), Vol. VII, 1969, p. 109-12

SO: "-30"0, 1/ June 73, (Letophia 'Zhurnal 'myldi Statey, No. 5, 1949)

Shimulin, V. P. "Creatment of could percially introveneus dres influence of thite strentening to an electe under conditions of KhPTG I and II," Truth Yelinctituta (Izhev. coc. mcd. in-t), Vol VII, 1929, p. 126-30

So: W-3050, 16 June 50, (Leterain 'Ulmumal 'nykh Statem, No. 5, 1929)

STRAKHOVA, A.F. SHIPULINA, A.A.

Psychoprophylactic method in painless labor. Akush. gin., Moskva no.5: 86-87 Sept-Oct 1952. (CIML 23:2)

1. Of Vologda Municipal Maternity Home (Head Physician -- A. F. Strakhova).

ACC NR: AT5024969 SOURCE CODE: UR/0000/65/000/000/0128/0131 AUTHOR: Boroyavlonskiy, A. F.; Oranskaya, I. P.; Shipulina, G. V. OliG: Kazan Aviation Institute (V.	Fa material
TITIE: Effect of tomnorature, current density, and electrolyte concentration on the composition and structure of anodic films on MI-5 alloy SOURCE: AN SSSR. Otdeleniye obshchey i tekhnicheskov khimii Zeckelit	The state of the state of
olectrochemistry). Poscow, Mauka, 1965, 128-131 TOPIC TAGS: magnesium alloy, phosphate, anodic exidation, redicatore, tempurature ABSTRACT: Using the P ³² radioisotope, the authors studied the inserver in	
trolvte ions (PQ ₁ 3-) in the anodic film on the magnesium allow MI-5 as a function of PQ ₁ 3- incorporated in the film tends to decrease. Part of the PQ ₁ 3- ions become the temperature rises, the quantity of adsorbed PQ ₁ 3- ions decreases, and as density rises, the relative content of PQ ₁ 3- increases, reaching 3% of the weight of rosity, true surface, etc.) caused by high current densities. As the electrolyte con-	
Cord 1/2	

BHT(1)/EHT(=)/EPF(c)/EHP(1)/EHA(d)/EPR/EHP(L)/EHP(b) P8-4 IJP(c) 1 57742-65 m /en 31,007/0816/0818 TR/00 2/65 APROLPOUL 6. Y 1.34 期 間 AUTHOR: Begovavlenskiy, A. F.; Belov, V. T.; Trofinov, A. H.; S [pa]ina, Yagina, I. A.; L'vov, G. R. TITIE! Quick method of evaluating the protective properties of a odic oxide film on aluminum Lavodskaya laboratoriya. v 51. no. 7, 1965, 816-818 BURINESS . TOPIC TAGS: anodic oxide film, oxide film, galvanic circuit, elec colyte solution, even remotive force, protective film/ VIAM electrolyte (solution of otassium bichromate in sulfuric acid) ABSTRACT: The authors describe a method they developed for the quick der vaination of the projective properties of oxide film on aluminum, based on willising 'be in the second and the

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let of electrolyte solution 1 (see figure) was deposited or the greased surface of non-anodized aluminum so as to immers, par bositioned platinum wire a in this implet. Wire a is limied that one of the positions wire a surface of the positions wire as fastened on a pexign.	t of the vertically

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ZARAYSKIY, P.K.; ROTT, M.V.; SENYUTA, V.N.; SHUKH, Ya.I.; MARKOV, A.Ye.; Prinimala uchastiye SHIPULINA, L.A.

> Soda-potash method for hydrogen sulfide removal from coke-oven gas. Koks i khim. no.4:40-43 '62. (MIRA 16:8)

1. Rutchenkovskiy koksokhimicheskiy zavod. (Gases-Purification) (Hydrogen sulfide)

CIA-RDP86-00513R001549520008-7 APPROVED FOR RELEASE: 08/23/2000

ZEOROV, Pavel Aleksandrovich; SHIPULINA, L.M., red.

[Use of plastics and synthetic resins in the manufacture of machinery; materials for lectures] Primenenie plasticheskikh mass i sinteticheskikh smol v mashinostroenii; materialy k lektsiiam. Moskva, Izd-vo "Znanie," 1964. 22 p. (MIRA 17:11)

GRICOR'YANTS, Vil' Valentinovich; SHIPULINA, L.M., red.

[Extended plan of a lecture on the subject: "Quantum electronics - a new field of physics"] Razvermutyi plan lektsii na temus "Kwantovaia elektronika - novaia oblast' fiziki." Moskva, Izd-vo "Znanie," 1964. 11, p.

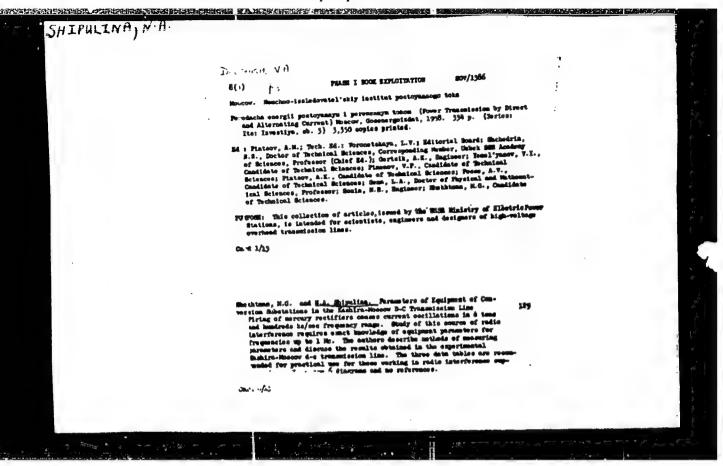
(MIRA 17:10)

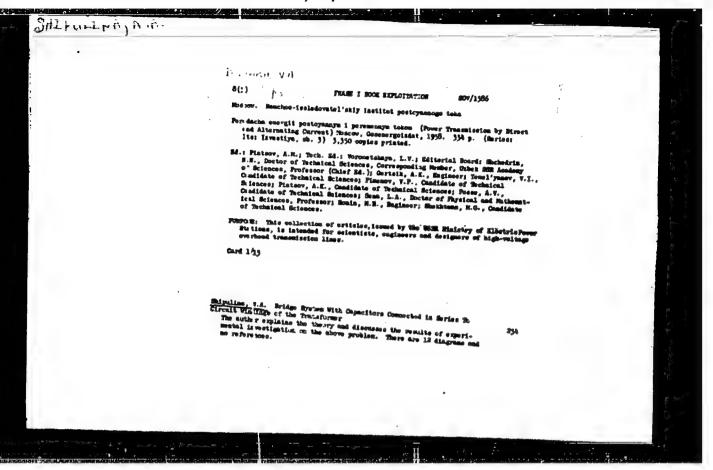
NEYMAN, L.R.; GLINTERNIK, S.R., kandidat tekhnicheskikh nauk; YEMEL'YANOV, A.V., inzhener; SHIPULINA, N.A., kandidat tekhnicheskikh nauk.

Group connection of electron tubes as a means for increasing the reliability of high-power converters. Elektrichestvo no.6:54-59 Je 156.

(MLRA 9:9)
1. Chlen-kerrespondent AN SSSR (for Neyman). 2. Energeticheskiy institut
imeni Krzhizhanovskege AN SSSR (for Neyman, Glinter mik, Yemel'yanev).
3. Institut postoyannego teka Hinisterstva elektrostantsii (for Shipulina).

(Electron tubes)(Electric current converters)





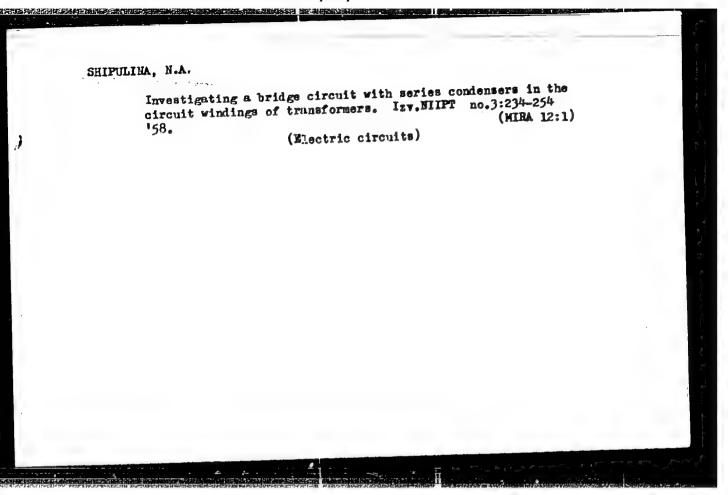
SHEKHTMAN, N.C.; SHIPULINA, N.A.

Parameters of the equipment of converting substations in the

Rashira-Moscow d.c. power line. Izv.NIIPT no.3:129-142 '58.

(NIRA 12:1)

(Electric substations) (Electric measurements)



8(3) AUTHORS: 507/105-59-3-5/27

Kukekov, G. A., Candidate of Technical Sciences, Docent,

Sorokin, P. G., Engineer, Shipulina, N. A., Candidate of Technical

Sciences (Leningrad)

TITLE:

Switch-off Contactors for High-tension Direct Current Transmission Lines (Otklyuchayushcheye ustroysty: dlya liniy postcyannogo toka

vysckogo napryazheniya)

PERIODICAL:

Elektrichestvo, 1959, Nr 3, pp 24-27 (USSR)

ABSTRACT:

The use and the further development of d.c. long-distance transmission lines in many respects depends upon the creation of new electrical equipment and installations. Such devices include contactors designed to disconnect powerful and highly inductive hightension d. c. circuits. The principal difficulty encountered in this problem consists of the fact that it is much more difficult to suppress the flashover arc in d. . circuits than in a. c. circuits. In the course of the Exvestigations: carried out in the Leningradskiy politekhnicheskiy institut im. Kalinina (Leningrad Polytechnical Institute imeni Kalinin) and at the Institut postoyannogo toka (Institute of Direct Current) (Refs 1,2) it was found that if the d. c. arc is shunted by an oscillation circuit with corresponding parameters and initial conditions - the current in the

Card 1/3

sov/105-59-3-5/27

Switch-off Contactors for High-tension Direct Current Transmission Lines

arc changes its direction and hence that it may pass through zero. As was shown by experiments, this provides a means of extinguishing the arc in arc-suppression devices of high-tension alternating current contactors, even if the frequency of the oscillations is somewhat higher (500 - 1000 cycles). In this paper a short analysis of the performance of contactors designed on this principle and a description of the experiments carried out with these contactors is given. This model contactor was tested at the rectifier sub-station of the experimental d.c. transmission line from the Kashira water power station to Moscow. Three test series were carried out. Summary: 1) If a high-tension a.c. arc-suppression device is combined with an oscillation circuit, which shunts the arc generated in the arc-suppression device when the contactor disconnects the line, it is possible to create a device which is able to disconnect hightension d.c. transmission lines. 2) If the oscillation circuit is designed correspondingly to the arc characteristic, no previous charging of the oscillation circuit capacity is required. 3) At present air contactors are considered to be the most convenient type, because the contacts remain open after disconnecting. The rest charge on the condenser must be destroyed by a special device which is built-in in the contactor. - There are 6 figures and 5 Soviet

Card 2/3

SOV/105-59-3-5/27 Switch-off Contactors for High-tension Direct Current Transmission Lines

references.

July 23, 1958 SUBMITTED:

Card 3/3

BERLIN, Ye.M.; ZAVARINA, M.G.; SHIPULINA, N.A.

Operating conditions and regulating system for the transmission of direct current with intermediate substations connected in parallel. Izv. NIIPT no.4:5-18 '59.

(Electric substations)

KRYLOV, M.T.; LESHUKOV, N.D.; SHIPULINA, N.A.

Interruption of direct current transmission by means of special cutout devices during normal operation. Izv. HIPT no.5:64-79
'60. (Electric cutouts)

(Electric power distribution—Direct current)

LESHUKOV, N.D.; SHIPULINA, N.A.

Fransient processes in d.c. power transmission system with an intermediate substation. Izv. NIIPT no.7:36-55 '61. (MIRA 14:9) (Electric power distribution--Direct current)

LESHUKOV, N.D.; SHIPULINA, N.A.

Disconnecting of branch sections in a d.c. power transmission (MIRA 14:9) system. Izv. NIIPT no.7:55-77 '61.

(Electric power distribution--birect current)

SHIPULINA, N.A.

Parallel operation of inverters in the Kashira-Moscow electric power transmission system. Izv. NIIPT no.8:32-56 '61.

(MIRA 15:7)

(Electric power distribution-Direct current)

SOURCE CODE: UR/2995/65/000/011/0303/0326 AC: NR: AT6021542 AUTHOR: Kanashchenko, N. A.; Leshukov, N. D. (Candidate of technical sciences); Shipulina, N. A. ORG: none TITLE: Autonomous 12-kw, 220-v, 50-cps parallel-series inverter SOURCE: Nauchno-issledovatel'skiy institut postoyannogo toka. Izvestiya, no. 11, 1965. Peredacha energii postoyannym i peremennym tokom (D.c. and a.c. power transmission), 303-326 TOPIC TAGS: dc ac inverter, autonomous inverter, thyrathen, ele ABSTRACT: The development of a new 12-kw, 220-v, 50-cps separately-excited parallel-series-circuit (see figure) inverter by the NIIPT institute is reported. Intended for emergency supply of telecommunication plants, the new inverter uses thyratrons, each of them being fired after the preceding one has been completely extinguished. Design data and test results of this inverter are set forth Card 1/2

(MIRA 10:10)

SHIPULINA, V.G., kand.geol.-mineral.nauk.

Engineering and geological aspects in the construction of central buildings on State grain farms in the Akmolinsk Province virgin lands. Sbor.nauch.trud. KazGMI no.14:107-128 56.

(Akmolinsk Province--Housing, Rural) (Geology, Structural)

BOCHKAREV, V.P.; SHIPULINA, V.G.

Eighth Conference on the Study of Reservoir Coasts. Izv. AN Kazakh.SSR. Ser.geol. no.4:107-111 '61. (MIRA 15:3) (Baikal, Lake—Coast changes)

(Iv'ye District--Corn (Maize))

SHIPUL'KIN, V. IShypol'kin, V.]

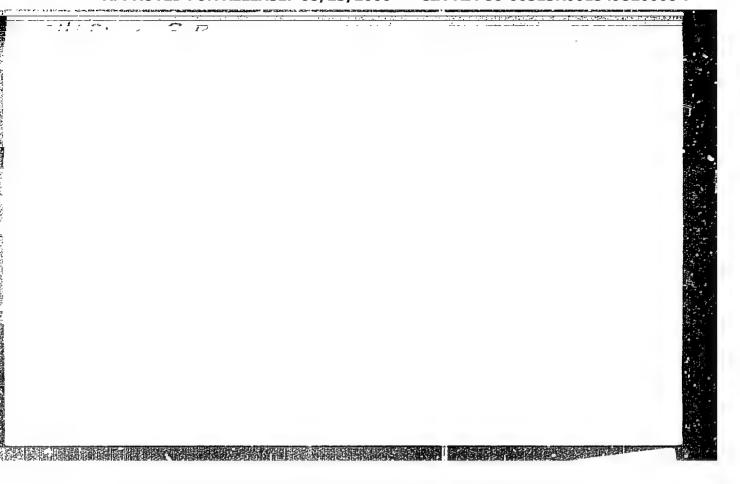
Rehina Asiadach, a field crew leader. Rab. i sial. 35 no.4:5
Ap '59. (MIRA 12:12)

1.Kolkhoz "Radzyma," Ivevskiy rayon.

SHIPULIN, V.N.

Formation of a new phase in a well in paraffin oil production.

Trudy MINKHiGP no.48:253-259 164. (MIRA 18:3)



\$/051/60/008/03/030/038 E201/E191 A Radio-Spectroscopic Investigation of the F3BNH3 and Prokhorov, A.M., and Shipulo, G.P. 5.4130 PERIODICAL: Optika i spektroskopiya, 1960, Vol 8, Nr 3, p 419 (USSR) AUTHOR: ABSTRACT: The F3BNH3 and F3BN(CH3)3 molecules have the spectra were investigated by the authors in the vapour configurations of symmetrical tops. phase using a radio-spectroscope with electrical molecular modulation and an absorption cell capable of standing temperatures up to 200 °C. No absorption lines of F3BNH3 were found in the region 9000-35000 Mc/s because in the vapour phase this molecule is strongly dissociated into BF3 and NH3. rotational transitions were found in the region A rotational constant B was found to be 1750 Mc/s which differed by only 4% from the theoretical value [for F3BN(CH3)3 in the solid phase this constant was reported as B = 1830 Mc/s (Ref 1)]. For the 2-3 transition of F2RN(CH2)2 the disclement was reported as B = 1830 Mc/s (Ref 1)]. transition of F3BN(CH3)3 the dipole moment was estimated Card 1/2

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\$/051/60/008/03/030/038

A Radio-Spectroscopic Investigation of the F3BNH3 and F3BN(CH3)3 Molecules

to be 5 Debye units. The complex nature of the observed rotational transitions of F3BN(CH3)3 is primarily due to the non-rigidity of the molecule and the presence of the

F3B and N(CH3)3 groups in it which can execute torsional vibrations. Moreover each rotational transition may have structure due to isotopes Bll (81%) and BlO (19%). Card 2/2 There are + references, of which 2 are Soviet and

SUBMITTED: October 9, 1959

SHIPULO, G.P.

Rotational spectrum of the cyanamide molecule. Opt. i spektr. 10 no.4:553-554 Ap '61. (MIRA 14:3) (Cyanamide--Spectra)

5/051/62/013/004/015/023 E032/E314

Shipulo, G.P. AUTHOR:

The microwave spectrum of the HDNCN and D2NCN molecules TITLE:

Optika i spektroskopiya, v. 15, no. 4, 1962, PERIODICAL:

This is a continuation of previous work (Opt. i spektr., 10, 553, 1961). The microwave spectrum was investigated using vapours at room temperature and the method of electric molecular modulation. The spectra obtained are given in Table 1. These spectra are characteristic of molecules in the form of an elongated symmetric spinning top. The rotational constants, vibrational frequencies and dipole moments obtained from the spectra are given in Table 2. The vibrational frequencies were determined from line-intensity ratios and the dipole moments were determined from the Stark effect for the transition 000 101

It is stated that the observed spectra are best interpreted in terms of the plane rather than the pyramidal model. The symmetry can only be determined with the aid of infrared studies which, Card 1/A

L 10725-63 EWA(k)/EWT(1)/FED/T-2/EDS/3W2/EEC(b)-2/ES(t)-2 AFT E/ASD/EE-3/RADC/AFGC/AFWL P1-4/Po-4 IJP(C)/WG/K/JHB/EH
ACCESSION NR: AP3003155 S/0056/63/044/006/2180/2182

AUTHOR: Askar'yan, G. A.; Prokhorov, A. M.; Chanturiya, G. F.; 8/Shipulo, G. P.

TITLE: Laser beam in liquid

SOURCE: Zhurnal eksper, i teor, fiziki, v. 44, no. 6, 1963, 2180-2182

TOPIC TAGS: laser effects, photohydraulic effects, laser beam in liquid

ABSTRACT: An experimental study of the effects of focused and unfocused laser beams on liquids had been carried out. A ruby laser with a beam pulse duration of approximately 1 microsec was used. Bubble formation due to focused and unfocused beams was observed and photographed in water. In ordinary tap water the formation of bubbles ceased with decreased beam intensity, while in gassed water no such decrease was observed. Special control experiments showed that light scattering Cord 1/1/2

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ACCESSION NR: AP3003155

takes place on the bubbles and not on inhomogeneities in the liquid. The size of the bubbles and the light scattering parameters were calculated. An oscillographic study of the scattering process showed that scattering changes in time and that the scattering centers increase the scattering effect. Photohydraulic effects occurring during focusing of the beam near or on the surface of a plate immersed in liquid were noted. Explosive local boiling, downward and upward motion of the plate, changes in the nature of the orifice drilled in the plate by the beam, rupturing of the vessel by shock waves, and ejection of liquid from the impact area were also observed. Increases in the absorption of light by the water, brought about through addition of copper sulfate, led to a sharp increase in the intensity of photohydraulic effects. The height of the ejected stream reached one meter, and in some cases almost all the water was ejected from the vessel. "In conclusion the authors express their gratitude to V. S. Zuyev and V. K. Konyukhov for participation in the preliminary experiments with gassed liquids conducted in the summer of 1962." Orig. art. has: 2 formulas.

Card 2/2

Physica Drat acating of Sucar

SHIPULO G.K

ACCESSION NR: AP4011484

S/0051/64/016/001/0058/0062

AUTHOR: Gvaladze, T.V.; Konyukhov, V.K.; Prokhorov, A.M.; Khaimov-Mal'kov, V.Ya.; Shipule, G.P.

TITLE: R-absorption lines of ruby

SOURCE: Optika i spektroskopiya, v.16, no.1, 1964, 58-62

TOPIC TAGS: R absorption, R levels, R line luminescence, ruby, optical pumping, lasers, luminescence lifetime

ABSTRACT: Although there have been many investigations of the luminescence dilines of ruby, hitherto there have been no detailed studies of the absorption in the region of these lines. Study of the absorption can yield information on the frequency variation of the absorption coefficient, G(V), and the temperature dependence of G(V) which is indicative of the temperature variation of the matrix element of the dipole moment. In the present work the R-line absorption of ruby (Cr_2O_3) concentration 0.04% by weight) was investigated at 16, 60, and 95°C. The measurements were performed with the aid of a DFS-13 diffraction grating spectrograph (dispersion 4 R/mm) with photographic recording and a DFS-8 grating spectrograph (6 R/mm) with

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520008-7

ACC. NR:

AP4011484

photoelectric recording. The values of $\alpha(v)$ for the R_1 and R_2 -lines are 0.315 and 0.24, respectively, and are virtually temperature independent in the 16 to 95°C temperature range. Reabsorption was found to be negligible under the given conditions. The luminescence lifetimes of the R_1 - and R_2 -lines, calculated on the basis of the experimental data, are of the order of 2.9 and 4.2-microsec, respectively. The relative intensities of the R luminescence lines are proportional to the populations of the respective levels and inversely proportional to $\gamma(R)$. The R_2/R_1 intensity ratio for $\gamma(R)$ in the respective levels and inversely proportional to $\gamma(R)$. The $\gamma(R)$ intensity ratio for $\gamma(R)$ is about 0.43, which is in exact agreement with the experimental value of N.A.Tolstoy, Liu Shum-fu, and M.E.Lapidus (Opt.i spektro.,13, 242, 1962). Orig.art.has: 14 formulas, 2 tables, and 1 figure.

ASSOCIATION: none

SUBMITTED: 18Mar63

DATE ACQ: 14Feb64

ENCL: 00

SUB CCDE: PH

MR REF SOV: 003

OTHER: 005

Card 2/2

"APPROVED FOR RELEASE: 08/23/2000 CIA-

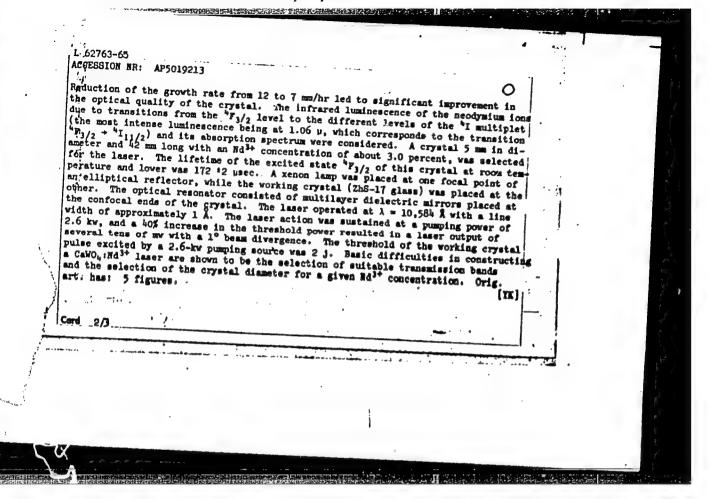
CIA-RDP86-00513R001549520008-7

Figure 1 that years reserved to 1.5. Maksimova, G.V.; OSIRO, V.V.; PROKHOROV, A.M.; Maksimova to 1.5. Issue to the parature. Zhr. is 1. version. 1.1 to 1.31-35 J 1.65. (MIRA 18:8)

2. version. The Valency first Mask-vakogo geometrivenege universiteta to 1.5 verkly facility from Lebedeva AM SSSR.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549520008-7



ACCESSION NR: AP5019213				·**.	271	
ASSOCIATION: Institut yade: (Institute of Nuclear Physic P. N. Lebedeva: Akademii nauk	rnoy fisiki Hosko	vakogo go	Judarstvenn	ogo universi	teta	
P. N. Lebedeva Akademii nauk	BSSR (Physics In	etitute,); Fixiche cademy of	skiy institu Sciences, 888	t im.	
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L 1772-66 EMA(k)/FBD/EMT(1)/EMP(e)/EMT(m)/EMP(1)/EEC(k)-2/T/EMP(k)/EMA(m) ACCESSION NR: AP5024687 UR/0056/65/049/003/072 AUTHOR: Zolotov, Ye. M.; Prokhorov, A. H.; Shipulo, G. P.44/ T. TITLE: Luminescence and generation to G. F. 24	-2/
AUTHOR: Zolotov, Ye. M.; Prokhorov, A. M.; Shinila C. 1111	0/0723
TITLE: Luminescence and generation in CaF ₂ :Dy ²⁺ excited by a ruby laser SOURCE: Zhurnal eksperimental noy i teoreticheskoy fiziki, y. 49, no. 3, 19	
TOPIC TAGS: laser, stimulated emission, ruby laser, optical excitation, lig	165,
ABSTRACT: Laser action at $\lambda = 2.36\mu$ is reported in CaF ₂ doped with 0.03% Dy pulse regimes. The 20-mm-long was by a ruby laser operated in normal and coatings (reflection coefficient of the coating was 95%). In the normal pulse caF ₂ :Dy ²⁺ laser output was similar to that of the ruby laser with appeared not later that was similar to that of the ruby laser with	giant ctric sed
negagigahertz by means of light excitation using, for example, semiconductor	put.
ord 1/2	Vas

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ACCESSION NR: AP5024687

by a ruby laser output which was also free of spikes. The temperature variation of the threshold with the temperature showed that room-temperature operation of the $CaF_2:Dy^{2+}$ laser was very unlikely, due to broadening of the lower laser line with the temperature. Generation was also achieved when $CaF_2:Dy^{2+}$ was excited by several 0.5-j giant pulses of ~ 30 nanosec duration, when the giant pulses followed one another after 100-200 usec. The first pulse from a ruby laser resulted in the appearance of a few spikes the intensity of which was 2 orders of magnitude smaller than that of the exciting pulse. The second and third giant pulses produced giant pulses in $CaF_2:Dy^{2+}$ (pulse duration 30-40 nanosec) with the first pulse delayed by 100-200 nanosec and the second, by 30-40 nanosec. The failure to achieve laser action by a single giant pulse is explained. Orig. art. has: 3 figures.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics

Institute, Academy of Sciences, SSSR)

SUBMITTED: 19Feb65

ENCL: 00

SUB CODE: ECOP

NO REF SOV: 003

OTHER: 001

ATD PRESS:4//

Card 2/2

SHIPUNOV, A.

Friends lend a helping hand. Mast. ugl. 8 no.11:13 N '59.
(MIRÁ 13:2)

1.Predsedatel' komiteta profsoyuza shakhty "Baydayevskaya" kombinata Kuzbassugol'.
(Kuznetsk Basin--Coal mines and mining)

MIKOYAN, A.I.; MARINENKO, A.Ya., inzh.; RAPPOPORT, A.M., inzh.; SLEPNEV, K.V., inzh.; SYROVOY, P.Ye., inzh., Prinimeli uchastiya: BORODIN, D.D., inzh.; ZHARKOV, M.A., inzh.; SHIPUNOV, B.G., inzh.; KURAKOV, V.Ya., tekhnik. STRAKHOV, L.G., otv.red.; KOMPANTSEV, N.N., otv.red.; KRASIL'NIKOV, S.D., red.; ZUDAKIN, I.M., tekhn.red.

[The MIG-17PF and MIG-17F sirplanes; instructions for operation and maintenance] Samolety MiG-17PF i MiG-17F; instruktsiis potekhnicheskoi ekspluatstaii i obsluzhivaniiu. Moskva, Gos.izd-voobor.promyshl., 1957. 143 p. diagrs.

1. Russia (1923- U.S.S.R.) Ministerstvo oborony. (Fighter planes) (Jet planes, Military)

SHIPUNOV, P.Ya. (Hoskva)

Siberian pine in the mountains of the northwestern Altai.
Priroda 53 no. 11:130 '64. (MIRA 18:1)

OVSYADNIKOV, S.G., kand. ekon. nauk; GRINMAN, G.I.; SHIPUNOV, I.F.; DRANICHNIKOV, I.F.; TYABUT, M.A.; KOLEVICH, A.G., red.; TORKAYLO, I., red.; DIK, V., tekhn. red.

[Accounting and auditing on collective farms; practical aid]
Bukhgalterskii uchet i revizionnaia rabota v kolkhozakh;
prakticheskoe posobie. Minsk, Sel'khozgiz BSSR, 1961. 246 p.
(MIRA 15:7)

(Collective farms--Accounting)

SHIPUROV, T.V., Cand Tech Sci — (diss) "Study of the heating and cooling of electromagnets induction accelerators." Fisk, 1959, 18 pp (Min of Higher Education MOSR. Tomsk Order of Labor Red Manner Polytechnic Inst in S.M. Kirov. Phys Tech Faculty) 150 copies (KL, 36-59, 116)

- 60 -



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SOV/144-59-1-18/21
The Cooling System of the Electromagnet of a Double-Beam 25 MeV
Betatron

enters through the windows (5) on each side of the yoke, is drawn through the channels, and then collected by the air duct, from which it is removed by the ventilators. The amount of air drawn through each system is 7000 m3/hr, and the speed in the internal channels shown in Fig 1 is 14-16.5 m/sec. Simple formulae are derived for estimating the amount of heat removed. There are 1 figure, 1 table and 5 Soviet references.

ASSOCIATION: Kafedra teoreticheskoy i obshchey teplotekhniki,
Tomskiy politekhnicheskiy institut (Chair of
Theoretical and General Heat Engineering, Tomsk
Polytechnical Institute) and
Fiziko-tekhnicheskiy fakul tet, Tomskiy
Politekhnicheskiy institut (Physical May

politekhnicheskiy institut (Physico-Technical Department, Tomsk Polytechnical Institute)

21,2300

681业

AUTHORS: Shipunov, I. V., Chief Engineer and Yakoviev B.M. Junior Scientific Worker

Problems Encountered in the Cooling of a Betatron Magnet TITLE:

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1959, Nr 2, pp 121-123 (USSR

ABSTRACT: The use of betatrons in industry, medicine and research institutions means that they have to run for long periods of time. The heating of the electromagnet must not, however, exceed certain recommended limits and, therefore, the problem of the cooling of the electromagnet becomes important. The ill shaped magnetic circuit is the most widely used. The magnetic flux in such cores is distributed very nonuniformly. In order to estimate the effect of heating it is necessary to determine points of maximum temperature. Analytically this is very difficult. The present paper reports results of experiments on the determination of the temperature distribution in U-shaped cores, The central inserts and pole pieces are the most strongly heated parts of the magnetic circuit. The temperature distribution was determined using resistance thermometers and the temperature was measured at 30 to

Card1/2

بنزييات

SOV/144-59-2-16/19

Problems Encountered in the Cooling of a Betatron Magnet

40 points simultaneously. The temperature distribution was obtained with and without forced ventilation. The loss of heat by the magnet yoke was determined from the empirical formula

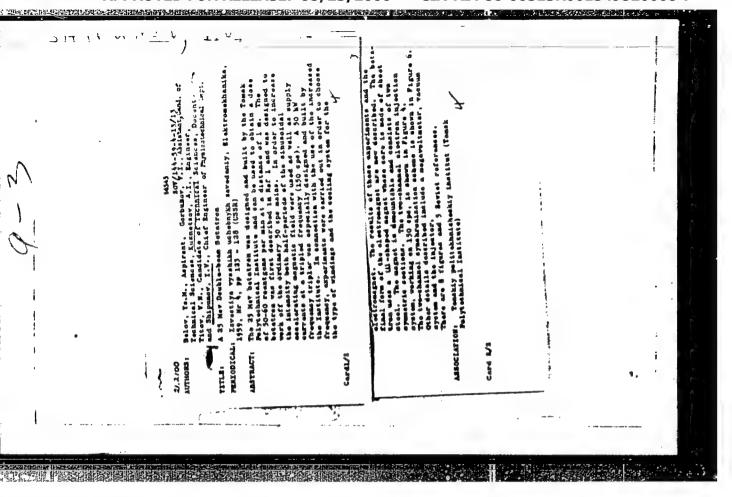
 $\alpha_{v} = \alpha (1 + 0.075v) \text{ W/cm}^2 \cdot {}^{\circ}\text{C},$

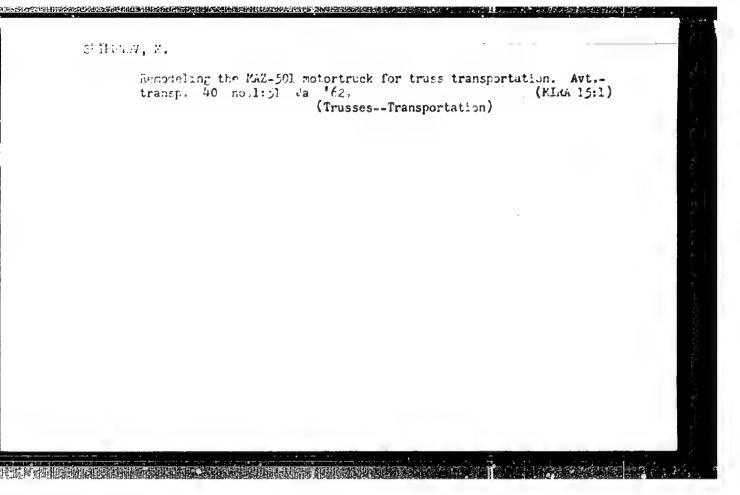
where a is the heat loss in quiescent air from the surface of the yoke and v is the air speed in the space between the poles in m/sec. In order to increase the cooling surface, copper cooling fins were used. These cooling fins pass right into the core of the electromagnet. Special empirical formulae which describe the heat loss in such a system have been obtained and are now given.

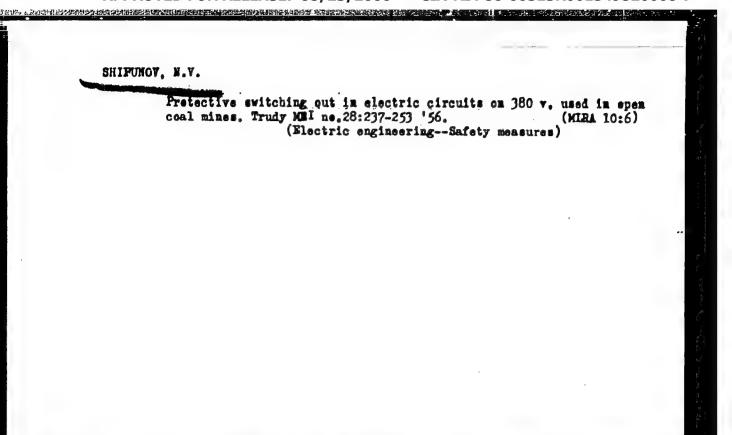
There are 2 tables.

ASSOCIATION: Fiziko-tekhnicheskiy fakul tet, Tomskiy politekhnicheskiy institut (Physics-Engineering Faculty, Tomsk Polytechnical Institute)

Card 2/2







SHIPUNOV, N. V., Candidate Tech Sci (diss) -- "Protective circuit-breaking, conditions, and range of application". Moscow, 1959. 18 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst), 150 copies (KL, No 24, 1959, 144)

MARUSOVA, T.P., kand. tekhn. nauk; SHIPUNOV, N.V., kand. tekhn. nauk; PETRI, L.O., inzh.

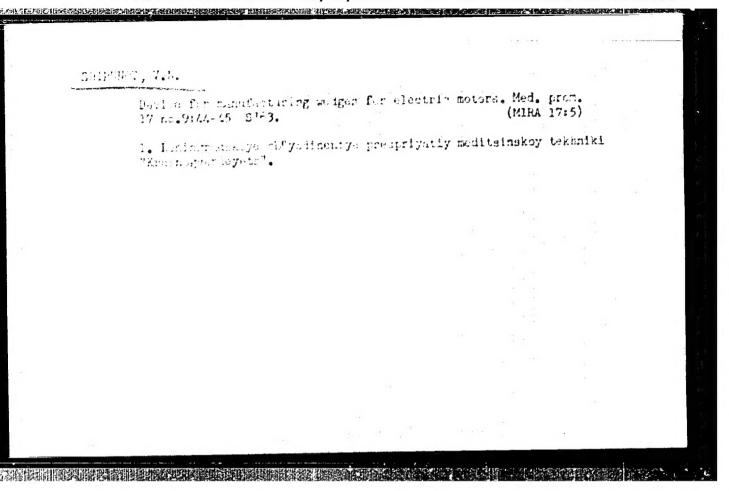
Investigating the conditions for electrical safety in salt mines. Gor. zhur. no.11:69-70 N '64. (MIRA 18:2)

1. Moskovskiy energeticheskiy institut.

SHIPUHOV, S.P.

Hydrometeorological security in the construction of the South Ukrainian Canal and the North Crimea Canal. Neteor.i gidrol. no.4:21-22 Ap 153. (MLRA 8:9)

1. Gidrometeorologicheskoye byuro, Zaporozh'ye (South Ukrainian Canal) (North Crimea Canal)



SHIPUNOVA, A.M., inzh.

Refect of severe frosts on the strength and deformability of masonry work. Prom. stroi. 38 no.9:53-56 160. (MIRA 13:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'noy konstruktsii.

(Building, Brick--Cold weather conditions)

SHIPUNOVA, L. G.

P. M. ISAYON AND L. B. S. TPUNOVA. Mauch. byull. Leningrad Gosularst. Univ. 1946, Mo. 13. pp. 2-10.- The form and size of BaSO4 crystalt is improved considerably when picric acid is added to the solution containing the sulfate ions before the baSO4 is precipitated. The picric acid has no effect on crystal size if added after the BaSO4 is precipitated; the amount of acid added also had no effect on crystal size. This method makes it possible to filter the precipitate from the hot solution. The time required for analysis is 2.5 to 3 hr. instead of 15 to 16 hr. without pieric acid.

MORACHEVSKIY, Tu.V.; SHIPUNOVA, L.G.; HOVOZHILOVA, L.D.

Coprecipitation of tungeten with ferric hydroxide. Uch. gap. LGU
no.297;58-62 '60.

(Tungeten) (Iron hydroxide)